

MEETING LOG
DIRECTORATE FOR ENGINEERING SCIENCES

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No Mfrs/Products
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INFORMATION

SUBJECT: Accredited National Standard on Performance and Installation of Gas-Burning Appliances and Related Accessories, Z21/83

PLACE: Renaissance Cottonwoods Resort, Scottsdale, AZ

MEETING DATE: April 13, 2000

LOG ENTRY SOURCE: Donald W. Switzer *DWS*

ENTRY DATE: May 3, 2000

COMMISSION ATTENDEES:

Donald W. Switzer

ES

NON-COMMISSION ATTENDEES: See attached attendee list

MEETING SUMMARY

The ANSI Z21/83 Committee sets performance standards for gas-burning appliances and their installation. Membership consists of experts in gas appliance design and natural and LP-gas fuel distribution, government agencies, and consumer representatives.

There were many items on the agenda for this meeting. This meeting log is limited to those items directly related to ongoing CPSC activities.

Item 17 - Proposed American National Standard/CSA Standard for Gas Connectors for Stationary Outdoor Gas Appliances

Gas connectors for stationary outdoor gas appliances are used to attach appliances installed outdoors to the gas supply and to connect sections of gas piping in manufactured homes together. At present there is no performance standard for this type connector and connectors designed for indoor use are commonly used for this purpose. Some manufacturers voluntarily test their connectors in the IAS U.S. Requirements for Gas Connectors for Connection of Fixed Appliances for Outdoor Installation, Park Trailers and Manufactured (Mobile) Homes to the Gas Supply, No. 3-87.

CPSC staff opposed adoption of this new standard because it does not contain test conditions that adequately represent outdoor conditions. Staff's stated its opinion that the standard is deficient in that it does not test connectors to freezing and thawing, ultraviolet radiation, nitrates, low temperature flexing, ozone, and abrasion. The connector subcommittee chairman countered that the proposed standard incorporates all the provisions in the current indoor standard and those in the IAS requirement. He also stated that to his knowledge there

have been no incidents of indoor connectors installed outdoors failing. The Z21/83 Committee voted to adopt the standard.

Item 23 - Ad Hoc Working Group Report in Flame Rollout and Approval of Mission Statement.

At it's April 1999 meeting the Z21/83 Committee formed an ad hoc working group to investigate a report from the boiler subcommittee on a case where it appeared that the automatic ignition system on a boiler prevented actuation of the flame rollout protection means (FRPM) resulting in damage to the wiring in the boiler. The working group has met twice and has recommended that the boiler standard be amended to preclude disabling the ignition system when the FRPM is tested during certification. The working group chairman reported that the working group intends to examine other Z21 standards for appliances that could incorporate both a FRPM and automatic ignition, and make similar recommendations to those standards.

Item 26 - Action Taken On CPSC Correspondence Regarding Range Top Fires

In August 1999, CPSC staff sent a letter to the Z21 Domestic Range Subcommittee requesting that they begin developing a test methodology to address the hazard of range top fires. An Ad Hoc Working Group on Cooking Fires was established to begin standards development. Staff reported that Energy International (EI), under contract to CPSC, had developed successfully demonstrated an prototype sensor system that successfully prevented cooking fires. A report on EI's results would be provided to the working group at its April 18, 2000, meeting.

Attendee List
MEMBERS

Daryl Hosler, Chairman
Southern California Gas Company

James M. Jones, Vice Chairman
Union Gas Limited

Paul E. Beach, GAMA
White-Rogers Division
Emerson Electric Company

Armand V. Brandao, FM
Factory Mutual Research Corporation

Daniel J. Cancilli, GAMA
Rheem Manufacturing Company

Robert S. Cave, APGA
American Public Gas Association

Dan Christenson, ABMA
Gordon-Piatt Energy Group, Inc.

Gordon R. Dauley, GAMA
Midco International, Inc.

Dave C. Delaquilia, NEMA
Honeywell, Inc.

Lee J. Duran, NBBPVI
The National Board of Boiler and Pressure
Vessel Inspectors

Frances Gailey, AAFCS
Professor Emerita

Thomas J. Harris, NAVY
U.S. Department of the Navy

Robert Hauserman, AGA
Connecticut Natural Gas Corporation

Jerome O. Hendrickson, IAPMO
IAPMO

Harry Jones, UL
UL

Theodore C. Lemoff, NFPA
NFPA

R. Michael Martin, IM
California Energy Commission

Norman E. Matson, GAMA
Mordine Manufacturing Company

James Mullin, GAMA
Lennox Industries Inc.

Cyrus Nasser, DOE
U.S. Department of Energy

Martin Perchul, AGA
Columbia Gas Distribution Companies

Gary J. Potter, GAMA
Cambridge Engineering, Inc.

Drew Smith, GAMA
State Industries Inc.

Bruce J. Swiecicki, NPGA
National Propane Gas Association

Rudy Tatum, HHS
Centers for Disease Control

Matthew W. Wilbur, AGA
Minnegasco, Inc.

Guests

T. Slaby	B. Stachwaik
F. Stanonik	F. Myers
J. Ranfone	R. Mell
R. Hoekstra	S. Grieco
L. Bardsley	P. Keindel
G. Tubrett	A. Callahan
Bill Young	J. Heichel